

Converting Colors

XYZ(10.9498, 16.7206, 15.6845)

Have a look what the booklet for
XYZ(10.9498, 16.7206, 15.6845)
contains.

XYZ(11.0172, 16.8499, 15.7684)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.0172, 16.8499,
15.7684)**

Conversions

Conversions Part 1

Format	Color
Hex	268068
RGB	38, 128, 104
RGB Percent	15%, 50%, 41%
CMY	0.8510, 0.4980, 0.5922
CMYK	0.70, 0.00, 0.19, 0.50
HSL	164°, 54%, 33%
HSV	164°, 70%, 50%
XYZ	11.0172, 16.8499, 15.7684
YIQ	98.3540, -45.9360, -26.5440

Conversions

Conversions Part 2

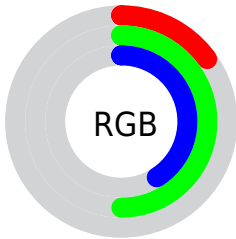
Format	Color
R_{YB}	38, 90, 128
Decimal	2523240
CIE _{Lab}	48.07, -32.38, 5.44
CIE _{LCh}	48, 32.830, 170.466
Yxy	16.8499, 0.2525, 0.3862
Android (android.graphics.Color)	4280713320 (0xFF268068)
YUV	98.3540, 2.7835, -52.9305
Hunter-Lab	41.0486, -23.9268, 5.9584

Details

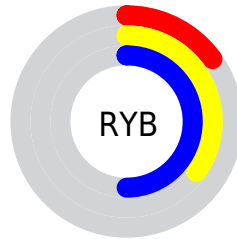
The XYZ color **11.0172, 16.8499, 15.7684** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.4653, 6.3237, 5.2271**, and the grayscale version is **11.6997, 12.3089, 13.4044**.

A 20% lighter version of the original color is **27.2641, 37.9011, 36.8890**, and **3.4629, 5.7442, 4.7971** is the 20% darker color. If you saturate the color by 10%, you get **10.4542, 16.5797, 14.8554**, and if you desaturate by 10%, it is **11.7506, 17.2079, 16.7267**.

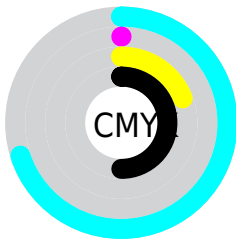
Distribution



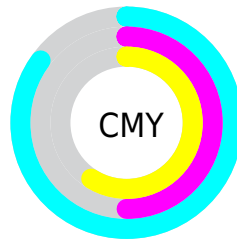
- Red (15%)
- Green (50%)
- Blue (41%)



- Red (15%)
- Yellow (35%)
- Blue (50%)



- Cyan (70%)
- Magenta (0%)
- Yellow (19%)
- Black (50%)



- Cyan (85%)
- Magenta (50%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.0172, 16.8499, 15.7684 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 11.0172, 16.8499, 15.7684 by changing the saturation by 10% instead.

■ 11.0172, 16.8499,
15.7684

■ 11.0172, 16.8499,
15.7684

191.6914,
234.3059, 239.7701

■ 6.1458, 10.1275,
9.2078

■ 27.3246, 38.0675,
36.9568

■ 2.9754, 5.4836,
4.7783

■ 39.4914, 53.3316,
52.4218

■ 1.1408, 2.5337,
2.0613

■ 54.8206, 72.2116,
71.6920

■ 0.0588, 0.8935,
0.5926

■ 73.6776, 95.0921,
95.1859

■ 0.0000, 0.0000,
0.0000

■ 96.4279, 122.3573,
123.3222

■ 123.4367,

154.3918, 156.5192

155.0694,
191.5799, 195.1957

■ 11.0172, 16.8499,
15.7684

■ 11.0172, 16.8499,
15.7684

■ 10.4542, 16.5797,
14.8554

■ 11.7506, 17.2079,
16.7267

■ 10.0426, 16.3863,
13.9854

■ 12.6679, 17.6596,
17.7304

■ 9.7338, 16.2447,
13.1807

■ 13.7832, 18.2125,
18.7808

■ 15.1085, 18.8727,
19.8789

■ 16.6549, 19.6461,
21.0257

■ 18.4328, 20.5380,
22.2220

■ 20.4517, 21.5533,
23.4686

■ 22.7209, 22.6968,
24.7664

■ 25.2489, 23.9727,
26.1162

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



12.0018, 16.8499, 9.7800



11.0172, 16.8499, 15.7684



11.2381, 16.8499, 24.6809

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



11.0172, 16.8499, 15.7684



18.0965, 16.8499, 38.3348



19.9330, 16.8499, 8.4018

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



11.0172, 16.8499, 15.7684



10.4653, 6.3237, 5.2271

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



21.9845, 16.8499, 13.2011



11.0172, 16.8499, 15.7684



20.8365, 16.8499, 30.8529

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



11.0172, 16.8499, 15.7684



15.0878, 16.8499, 39.6680



22.3341, 16.8499, 21.1917



16.9801, 16.8499, 6.4812

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



11.0172, 16.8499, 15.7684



12.0511, 16.8499, 31.1417



22.3341, 16.8499, 21.1917



20.7655, 16.8499, 9.6467

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



11.0177, 16.8506, 15.7688



28.9824, 34.4185, 36.7763



10.1516, 16.6523, 4.5132



6.6337, 7.9823, 8.5007



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.0177, 16.8506, 15.7688



17.9674, 28.9830, 25.2839



10.1116, 12.8021, 22.3610



4.3990, 4.8679, 5.2724



9.6520, 16.1074, 13.0723



0.0000, 0.0000, 0.0000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.4653, 6.3237, 5.2271



16.9700, 9.2082, 5.6814



10.7405, 7.7056, 2.7553



4.3712, 4.3616, 4.7594



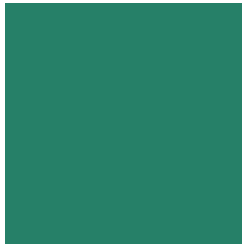
9.1158, 4.6660, 1.9337



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.0172, 16.8499, 15.7684 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 11.0172, 16.8499, 15.7684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

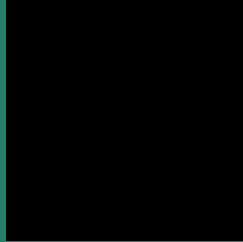
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.0172, 16.8499, 15.7684

Background



This preview shows how black text looks on a background with the XYZ color 11.0172, 16.8499, 15.7684.



This preview shows how white text looks on a background with the XYZ color 11.0172, 16.8499,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

11.0172, 16.8499, 15.7684

Protanopia

15.6242, 16.5767, 13.4425

Deuteranopia

16.8869, 16.6702, 16.5150



Tritanopia

12.9269, 16.8666, 25.1285

Trichromacy



Original Color

11.0172, 16.8499, 15.7684

Protanomaly

12.9470, 16.0314, 14.2164

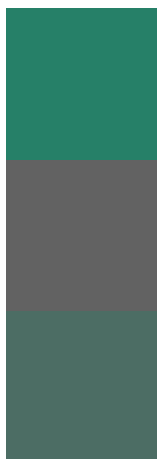
Deuteranomaly

13.6312, 16.1638, 16.3114

Tritanomaly

12.0811, 16.7016, 21.3259

Monochromacy



Original Color

11.0172, 16.8499, 15.7684

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.7494, 13.3939, 14.0753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.0172, 16.8499, 15.7684 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(38, 128, 104)` looks like.

```
.text, #text, p{  
    color:rgb(38, 128, 104)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(38, 128, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 128, 104) }
```

Border

The CSS property to change the border of an element to XYZ 11.0172, 16.8499, 15.7684 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(38, 128, 104) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(38, 128, 104) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(38, 128, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 128, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 128, 104);  
box-shadow:4px 4px 4px 4px rgb(38, 128,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 11.0172, 16.8499, 15.7684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 128, 104) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(38, 128,  
104) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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